

TEST REPORT

Product Name : Keyfinder
Brand Mark : ORBIT
Model No. : Orbit Keys FMN
FCC ID : 2ALHA-ORBITKEYSFMN
Report Number : BLA-EMC-202109-A10203
Date of Sample Receipt : 2021/9/28
Date of Test : 2021/9/29 to 2021/10/11
Date of Issue : 2021/10/11
Test Standard : 47 CFR Part 1.1307, Part 2.1093, KDB
: 447498
Test Result : Pass

Prepared for:

Global Shopping Network Pty. Ltd
Suite 204,2 Grosvenor Street Bondi Junction NSW 2022 Australia

Prepared by:

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Date:

2021/10/11



REPORT REVISE RECORD

Version No.	Date	Description
00	2021/10/11	Original

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1 TEST SUMMARY

Test item	Test Requirement	Test Method	Class/Severity	Result
RF Exposure	47 CFR Part 1.1307, Part 2.1093, KDB 447498	CFR 47 Part 2.1093	CFR 47 Part 2.1093	PASS

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2 GENERAL INFORMATION

Applicant	Global Shopping Network Pty. Ltd
Address	Suite 204,2 Grosvenor Street Bondi Junction NSW 2022 Australia
Manufacturer	Shenzhen Intellink Technology Co., Ltd.
Address	#1603, Tagen Innovation Building, No.7 Shangbao Rd, Futian, Shenzhen, China
Product Name	Keyfinder
Test Model No.	Orbit Keys FMN

3 GENERAL DESCRIPTION OF E.U.T.

Hardware Version	ORBIT_52832_05
Software Version	1.2.7

4 TEST MODE

TEST MODE	TEST MODE DESCRIPTION
TX	Keep the EUT in transmitting mode
Remark: Only the data of the worst mode would be recorded in this report.	

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5 LABORATORY LOCATION

All tests were performed at:
BlueAsia of Technical Services(Shenzhen) Co., Ltd.
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Telephone: TEL: +86-755-28682673 FAX: +86-755-28682673
No tests were sub-contracted.

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6 RF EXPOSURE COMPLIANCE REQUIREMENT

6.1 STANDARD REQUIREMENT

According to KDB447498D01 General RF Exposure Guidance v06

Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

6.2 LIMITS

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot \sqrt{f(\text{GHz})} \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

$f(\text{GHz})$ is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation¹⁷

The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

6.3 EUT RF EXPOSURE

Operational Mode: BLE						
Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dB)	Maximum tune-up Power		Calculated value	Exclusion threshold
			(dBm)	(mW)		
2402 MHz	-2.591	± 1	-1.591	0.69	0.21	3.0
2442 MHz	-2.498	± 1	-1.498	0.71	0.22	
2480 MHz	-1.826	± 1	-0.826	0.83	0.26	
Conclusion: the calculated value ≤ 3.0 , SAR is exempted.						

----END OF REPORT----

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